

Search Results -

Terms	Documents
L11 and 562/\$	49

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

L12

Refine Search

Recall Text

Clear

Interrupt

Search History

DATE: Tuesday, February 27, 2007 **Purge Queries** **Printable Copy** **Create Case**

<u>Hit Count</u>	<u>Set Name</u>
	result set

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

<u>L12</u>	L11 and 562/\$	49	L12
------------	----------------	----	-----

<u>L11</u>	L10 and convers\$9	216	L11
------------	--------------------	-----	-----

<u>L10</u>	L9 and terephthalic acid	458	L10
------------	--------------------------	-----	-----

<u>L9</u>	oxygen and countercurrent	15705	L9
-----------	---------------------------	-------	----

L8 oxygen and countercurrent 9 L8

<u>L7</u>	oxygen and countercurrent	0	L7
-----------	---------------------------	---	----

DB=PGPB; PLUR=YES; OP=ADJ

<u>L6</u>	20010007910	1	L6
-----------	-------------	---	----

DB=USPT; PLUR=YES; OP=ADJ

<u>L5</u>	75745801	0	L5
-----------	----------	---	----

DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=ADJ

L4 wo-2055467-\$.did. 1 L4

<u>L3</u>	wo-02055467-\$.did.	0	L3
-----------	---------------------	---	----

DB=USPT; PLUR=YES; OP=ADJ

L2 2887511.pn. or 2833816.pn. or 2788367.pn.
L1 3092658

3 L2
18 L1

END OF SEARCH HISTORY

Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 1 through 10 of 49 returned.

☐ 1. Document ID: US 20060199975 A1

L12: Entry 1 of 49

File: PGPB

Sep 7, 2006

PGPUB-DOCUMENT-NUMBER: 20060199975

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060199975 A1

TITLE: Process for preparing at least one organic target compound by heterogeneously catalyzed gas phase partial oxidation

PUBLICATION-DATE: September 7, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Dieterle; Martin	Mannheim		DE
Muller-Engel; Klaus Joachim	Stutensee		DE
Petzoldt; Jochen	Weisenheim am Berg		DE
Hammon; Ulrich	Mannheim		DE

US-CL-CURRENT: 562/546; 562/547

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw. D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 2. Document ID: US 20060167308 A1

L12: Entry 2 of 49

File: PGPB

Jul 27, 2006

PGPUB-DOCUMENT-NUMBER: 20060167308

PGPUB-FILING-TYPE:

DOCUMENT-IDENTIFIER: US 20060167308 A1

TITLE: Process for the preparation of alkylarylsulfonates

PUBLICATION-DATE: July 27, 2006

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Maas; Heiko	Mannheim		DE
Narbeshuber; Thomas	Ibbenbueren		DE
Roper; Michael	Wachenheim		DE

US-CL-CURRENT: 562/122

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	--------

☐ 3. Document ID: US 20050107630 A1

L12: Entry 3 of 49

File: PGPB

May 19, 2005

PGPUB-DOCUMENT-NUMBER: 20050107630

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20050107630 A1

TITLE: Staged countercurrent oxidation

PUBLICATION-DATE: May 19, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Belmonte, Frank G.	Hawthorn Woods	IL	US
Sikkenga, David L.	Wheaton	IL	US
Ogundiran, Olusola Sunday	League City	TX	US
Abrams, Kenneth J.	Naperville	IL	US
Leung, Linus Kai-Wah	Naperville	IL	US
Meller, Christopher G.	Carol Stream	IL	US
Figgins, Dale A.	Houston	TX	US
Mossman, Allen B.	Wheaton	IL	US

US-CL-CURRENT: 562/421

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	--------

☐ 4. Document ID: US 20040199006 A1

L12: Entry 4 of 49

File: PGPB

Oct 7, 2004

PGPUB-DOCUMENT-NUMBER: 20040199006

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040199006 A1

TITLE: Production of aromatic carboxylic acids

PUBLICATION-DATE: October 7, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Graham, Derek Alexander	Cleveland		GB
Hamley, Paul Anthony	Nottingham		GB
Oliver, Raymond	Stockton On Tees		GB
Poliakoff, Martyn	Nottingham		GB

Woodcock, Duncan C. Cheshire GB
Ilkenhans, Thomas Cambridge GB

US-CL-CURRENT: 562/412

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	----------

☐ 5. Document ID: US 20040010161 A1

L12: Entry 5 of 49

File: PGPB

Jan 15, 2004

PGPUB-DOCUMENT-NUMBER: 20040010161

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20040010161 A1

TITLE: Method for producing alkyl aryl sulphonates

PUBLICATION-DATE: January 15, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Maas, Heiko	Mannheim		DE
Narbeshuber, Thomas	Ibbenburen		DE
Roper, Michael	Wachenheim		DE

US-CL-CURRENT: 562/94

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	----------

☐ 6. Document ID: US 20020028968 A1

L12: Entry 6 of 49

File: PGPB

Mar 7, 2002

PGPUB-DOCUMENT-NUMBER: 20020028968

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20020028968 A1

TITLE: Production of aromatic carboxylic acids

PUBLICATION-DATE: March 7, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Graham, Derek Alexander	Cleveland		GB
Hamley, Paul Anthony	Nottingham		GB
Ilkenhans, Thomas	Cambridge		GB
Oliver, Raymond	Stockton on Tees		GB
Poliakoff, Martyn	Nottingham		GB
Woodcock, Duncan C.	Cheshire		GB

US-CL-CURRENT: 562/415

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMNC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 7. Document ID: US 20010023285 A1

L12: Entry 7 of 49

File: PGPB

Sep 20, 2001

PGPUB-DOCUMENT-NUMBER: 20010023285

PGPUB-FILING-TYPE: new

DOCUMENT-IDENTIFIER: US 20010023285 A1

TITLE: Methods for treating cobalt catalyst in oxidation mixtures resulting from oxidation of hydrocarbons to dibasic acids

PUBLICATION-DATE: September 20, 2001

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY
Vassiliou, Eustathios	Newark	DE	US
Dassel, Mark W.	Indianola	WA	US
Rostami, Ader M.	Bainbridge Island	WA	US
Dudgeon, Douglas J.	Bainbridge Island	WA	US
DeCoster, David C.	Buckley	WA	US

US-CL-CURRENT: 528/272; 526/68, 526/69, 528/332, 528/335, 562/512.2, 562/518, 562/519, 562/521, 562/522, 562/523

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMNC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 8. Document ID: US 7060852 B2

L12: Entry 8 of 49

File: USPT

Jun 13, 2006

US-PAT-NO: 7060852

DOCUMENT-IDENTIFIER: US 7060852 B2

TITLE: Method for producing alkyl aryl sulphonates

PRIOR-PUBLICATION:

DOC-ID	DATE
US 20040010161 A1	January 15, 2004

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMNC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 9. Document ID: US 6765113 B2

L12: Entry 9 of 49

File: USPT

Jul 20, 2004

US-PAT-NO: 6765113

DOCUMENT-IDENTIFIER: US 6765113 B2

TITLE: Production of aromatic carboxylic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	----------

☐ 10. Document ID: US 6448436 B1

L12: Entry 10 of 49

File: USPT

Sep 10, 2002

US-PAT-NO: 6448436

DOCUMENT-IDENTIFIER: US 6448436 B1

TITLE: Integrated process for the production of 2, 6-naphthalene dicarboxylic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw. De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	----------

[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Terms

Documents

L11 and 562/\$

49

Display Format: [Change Format](#)[Previous Page](#)[Next Page](#)[Go to Doc#](#)

Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 11 through 20 of 49 returned.

☐ 11. Document ID: US 6340420 B1

L12: Entry 11 of 49

File: USPT

Jan 22, 2002

US-PAT-NO: 6340420

DOCUMENT-IDENTIFIER: US 6340420 B1

**** See image for Certificate of Correction ****

TITLE: Methods of treating the oxidation mixture of hydrocarbons to respective dibasic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	--------

☐ 12. Document ID: US 6337051 B1

L12: Entry 12 of 49

File: USPT

Jan 8, 2002

US-PAT-NO: 6337051

DOCUMENT-IDENTIFIER: US 6337051 B1

TITLE: Device for detecting formation of a second liquid phase

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	--------

☐ 13. Document ID: US 6326455 B1

L12: Entry 13 of 49

File: USPT

Dec 4, 2001

US-PAT-NO: 6326455

DOCUMENT-IDENTIFIER: US 6326455 B1

**** See image for Certificate of Correction ****

TITLE: Methods for treating cobalt catalyst in oxidation mixtures resulting from oxidation of hydrocarbons to dibasic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	--------

☐ 14. Document ID: US 6307099 B1

L12: Entry 14 of 49

File: USPT

Oct 23, 2001

US-PAT-NO: 6307099

DOCUMENT-IDENTIFIER: US 6307099 B1

TITLE: Production of terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 15. Document ID: US 6288273 B1

L12: Entry 15 of 49

File: USPT

Sep 11, 2001

US-PAT-NO: 6288273

DOCUMENT-IDENTIFIER: US 6288273 B1

TITLE: Method for producing shell catalysts for catalytic gas-phase oxidation of aromatic hydrocarbons

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 16. Document ID: US 6288270 B1

L12: Entry 16 of 49

File: USPT

Sep 11, 2001

US-PAT-NO: 6288270

DOCUMENT-IDENTIFIER: US 6288270 B1

TITLE: Methods for controlling the reaction rate of a hydrocarbon to an acid by making phase-related adjustments

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 17. Document ID: US 6232495 B1

L12: Entry 17 of 49

File: USPT

May 15, 2001

US-PAT-NO: 6232495

DOCUMENT-IDENTIFIER: US 6232495 B1

TITLE: Methods for treating cobalt catalyst in oxidation mixtures resulting from oxidation of hydrocarbons to dibasic acids

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 18. Document ID: US 6183698 B1

L12: Entry 18 of 49

File: USPT

Feb 6, 2001

US-PAT-NO: 6183698

DOCUMENT-IDENTIFIER: US 6183698 B1

**** See image for Certificate of Correction ****

TITLE: Devices for controlling the reaction rate of a hydrocarbon to an intermediate oxidation product by pressure drop adjustments

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 19. Document ID: US 6143927 A

L12: Entry 19 of 49

File: USPT

Nov 7, 2000

US-PAT-NO: 6143927

DOCUMENT-IDENTIFIER: US 6143927 A

TITLE: Methods for removing catalyst after oxidation of hydrocarbons

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 20. Document ID: US 6137001 A

L12: Entry 20 of 49

File: USPT

Oct 24, 2000

US-PAT-NO: 6137001

DOCUMENT-IDENTIFIER: US 6137001 A

TITLE: Process for preparing aromatic carboxylic acids with efficient treatments of gaseous effluent

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms

Documents

L11 and 562/\$

49

Display Format: Change Format

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 31 through 40 of 49 returned.

☐ 31. Document ID: US 5883292 A

L12: Entry 31 of 49

File: USPT

Mar 16, 1999

US-PAT-NO: 5883292

DOCUMENT-IDENTIFIER: US 5883292 A

TITLE: Reaction control by regulating internal condensation inside a reactor

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	----------	-------------	--------	------	--------

☐ 32. Document ID: US 5877341 A

L12: Entry 32 of 49

File: USPT

Mar 2, 1999

US-PAT-NO: 5877341

DOCUMENT-IDENTIFIER: US 5877341 A

TITLE: Methods and devices for controlling the reaction rate of a hydrocarbon to an intermediate oxidation product by pressure drop adjustments

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	----------	-------------	--------	------	--------

☐ 33. Document ID: US 5824819 A

L12: Entry 33 of 49

File: USPT

Oct 20, 1998

US-PAT-NO: 5824819

DOCUMENT-IDENTIFIER: US 5824819 A

TITLE: Methods of preparing an intermediate oxidation product from a hydrocarbon by utilizing an activated initiator

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KWIC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	----------	-------------	--------	------	--------

☐ 34. Document ID: US 5817868 A

L12: Entry 34 of 49

File: USPT

Oct 6, 1998

US-PAT-NO: 5817868

DOCUMENT-IDENTIFIER: US 5817868 A

**** See image for Certificate of Correction ****

TITLE: Method and devices for controlling the oxidation of a hydrocarbon to an acid by regulating temperature/conversion relationship in multi-stage arrangements

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 35. Document ID: US 5801282 A

L12: Entry 35 of 49

File: USPT

Sep 1, 1998

US-PAT-NO: 5801282

DOCUMENT-IDENTIFIER: US 5801282 A

TITLE: Methods of making intermediate oxidation products by controlling pre-coalescing temperature and transient temperature difference in an atomized liquid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 36. Document ID: US 5801273 A

L12: Entry 36 of 49

File: USPT

Sep 1, 1998

US-PAT-NO: 5801273

DOCUMENT-IDENTIFIER: US 5801273 A

TITLE: Methods and devices for controlling the reaction rate of a hydrocarbon to an intermediate oxidation product by pressure drop adjustments

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 37. Document ID: US 5705682 A

L12: Entry 37 of 49

File: USPT

Jan 6, 1998

US-PAT-NO: 5705682

DOCUMENT-IDENTIFIER: US 5705682 A

TITLE: Process for producing highly pure terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 38. Document ID: US 5654475 A

L12: Entry 38 of 49

File: USPT

Aug 5, 1997

US-PAT-NO: 5654475

DOCUMENT-IDENTIFIER: US 5654475 A

TITLE: Methods of making intermediate oxidation products by controlling oxidation rates in an atomized liquid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 39. Document ID: US 5614159 A

L12: Entry 39 of 49

File: USPT

Mar 25, 1997

US-PAT-NO: 5614159

DOCUMENT-IDENTIFIER: US 5614159 A

TITLE: Process for the purification of an oxidation off gas with energy recovery

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 40. Document ID: US 5583254 A

L12: Entry 40 of 49

File: USPT

Dec 10, 1996

US-PAT-NO: 5583254

DOCUMENT-IDENTIFIER: US 5583254 A

**** See image for Certificate of Correction ****

TITLE: Process for the production of purified terephthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms

Documents

L11 and 562/\$

49

Display Format: Change Format

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)

Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 41 through 49 of 49 returned.

☐ 41. Document ID: US 5580905 A

L12: Entry 41 of 49

File: USPT

Dec 3, 1996

US-PAT-NO: 5580905

DOCUMENT-IDENTIFIER: US 5580905 A

TITLE: Process for recycling polyesters

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 42. Document ID: US 5580531 A

L12: Entry 42 of 49

File: USPT

Dec 3, 1996

US-PAT-NO: 5580531

DOCUMENT-IDENTIFIER: US 5580531 A

TITLE: Devices for making reaction products by controlling transient conversion in an atomized liquid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 43. Document ID: US 5558842 A

L12: Entry 43 of 49

File: USPT

Sep 24, 1996

US-PAT-NO: 5558842

DOCUMENT-IDENTIFIER: US 5558842 A

TITLE: Devices for making reaction products by controlling pre-coalescing temperature and transient temperature difference in an atomized liquid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawings
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	----------

☐ 44. Document ID: US 5502245 A

L12: Entry 44 of 49

File: USPT

Mar 26, 1996

US-PAT-NO: 5502245

DOCUMENT-IDENTIFIER: US 5502245 A

TITLE: Methods of making intermediate oxidation products by controlling transient conversion in an atomized liquid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 45. Document ID: US 4956493 A

L12: Entry 45 of 49

File: USPT

Sep 11, 1990

US-PAT-NO: 4956493

DOCUMENT-IDENTIFIER: US 4956493 A

TITLE: Process for producing methacrylic ester

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 46. Document ID: US 4564702 A

L12: Entry 46 of 49

File: USPT

Jan 14, 1986

US-PAT-NO: 4564702

DOCUMENT-IDENTIFIER: US 4564702 A

**** See image for Certificate of Correction ****

TITLE: Hydrogenation reactions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 47. Document ID: US 4302595 A

L12: Entry 47 of 49

File: USPT

Nov 24, 1981

US-PAT-NO: 4302595

DOCUMENT-IDENTIFIER: US 4302595 A

TITLE: Process for the preparation of terephthalic acid by the hydrolysis of intermediate stage crude dimethyl terephthalate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	------	---------

☐ 48. Document ID: US 4259522 A

L12: Entry 48 of 49

File: USPT

Mar 31, 1981

US-PAT-NO: 4259522

DOCUMENT-IDENTIFIER: US 4259522 A

TITLE: Process for the production of isophthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMOC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	----------	-------------	--------	------	--------

☐ 49. Document ID: US 4219508 A

L12: Entry 49 of 49

File: USPT

Aug 26, 1980

US-PAT-NO: 4219508

DOCUMENT-IDENTIFIER: US 4219508 A

TITLE: Process for the preparation of low molecular weight polyhydroxyl compounds

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMOC	Draw D
------	-------	----------	-------	--------	----------------	------	-----------	----------	-------------	--------	------	--------

<input type="button" value="Clear"/>	<input type="button" value="Generate Collection"/>	<input type="button" value="Print"/>	<input type="button" value="Fwd Refs"/>	<input type="button" value="Bkwd Refs"/>	<input type="button" value="Generate OACS"/>
--------------------------------------	--	--------------------------------------	---	--	--

Terms	Documents
L11 and 562/\$	49

Display Format:

[Previous Page](#) [Next Page](#) [Go to Doc#](#)

Hit List

[First Hit](#)[Clear](#)[Generate Collection](#)[Print](#)[Fwd Refs](#)[Bkwd Refs](#)[Generate OACS](#)

Search Results - Record(s) 41 through 49 of 49 returned.

☐ 41. Document ID: US 5580905 A

L12: Entry 41 of 49

File: USPT

Dec 3, 1996

US-PAT-NO: 5580905

DOCUMENT-IDENTIFIER: US 5580905 A

TITLE: Process for recycling polyesters

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw. Data
------	-------	----------	-------	--------	----------------	------	-----------	----------	----------	--------	------	------------

☐ 42. Document ID: US 5580531 A

L12: Entry 42 of 49

File: USPT

Dec 3, 1996

US-PAT-NO: 5580531

DOCUMENT-IDENTIFIER: US 5580531 A

TITLE: Devices for making reaction products by controlling transient conversion in an atomized liquid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw. Data
------	-------	----------	-------	--------	----------------	------	-----------	----------	----------	--------	------	------------

☐ 43. Document ID: US 5558842 A

L12: Entry 43 of 49

File: USPT

Sep 24, 1996

US-PAT-NO: 5558842

DOCUMENT-IDENTIFIER: US 5558842 A

TITLE: Devices for making reaction products by controlling pre-coalescing temperature and transient temperature difference in an atomized liquid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Abstract	Claims	KWIC	Draw. Data
------	-------	----------	-------	--------	----------------	------	-----------	----------	----------	--------	------	------------

☐ 44. Document ID: US 5502245 A

L12: Entry 44 of 49

File: USPT

Mar 26, 1996

US-PAT-NO: 5502245

DOCUMENT-IDENTIFIER: US 5502245 A

TITLE: Methods of making intermediate oxidation products by controlling transient conversion in an atomized liquid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 45. Document ID: US 4956493 A

L12: Entry 45 of 49

File: USPT

Sep 11, 1990

US-PAT-NO: 4956493

DOCUMENT-IDENTIFIER: US 4956493 A

TITLE: Process for producing methacrylic ester

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 46. Document ID: US 4564702 A

L12: Entry 46 of 49

File: USPT

Jan 14, 1986

US-PAT-NO: 4564702

DOCUMENT-IDENTIFIER: US 4564702 A

**** See image for Certificate of Correction ****

TITLE: Hydrogenation reactions

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 47. Document ID: US 4302595 A

L12: Entry 47 of 49

File: USPT

Nov 24, 1981

US-PAT-NO: 4302595

DOCUMENT-IDENTIFIER: US 4302595 A

TITLE: Process for the preparation of terephthalic acid by the hydrolysis of intermediate stage crude dimethyl terephthalate

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 48. Document ID: US 4259522 A

L12: Entry 48 of 49

File: USPT

Mar 31, 1981

US-PAT-NO: 4259522

DOCUMENT-IDENTIFIER: US 4259522 A

TITLE: Process for the production of isophthalic acid

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

☐ 49. Document ID: US 4219508 A

L12: Entry 49 of 49

File: USPT

Aug 26, 1980

US-PAT-NO: 4219508

DOCUMENT-IDENTIFIER: US 4219508 A

TITLE: Process for the preparation of low molecular weight polyhydroxyl compounds

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw De
------	-------	----------	-------	--------	----------------	------	-----------	-----------	-------------	--------	-----	---------

Clear

Generate Collection

Print

Fwd Refs

Bkwd Refs

Generate OACS

Terms

Documents

L11 and 562/\$

49

Display Format: Change Format

[Previous Page](#)

[Next Page](#)

[Go to Doc#](#)